

## AMENDMENTS TO THE CLAIMS

**1-6. (Cancelled)**

**7. (New)** A plasma display device comprising:

a plurality of discharge cells arranged to show a single color or multiple colors; and  
phosphor layers disposed so as to correspond to the discharge cells and to be excited by  
ultraviolet rays for emitting light,

wherein a composition formula of at least one phosphor layer of the phosphor layers is  
 $\text{Ba}_{(1-x-y)} \text{Sr}_y \text{MgAl}_{10}\text{O}_{17}:\text{Eu}_x$ ,

wherein  $x$  has a value such that  $0.01 \leq x \leq 0.20$ , and  $y$  has a value such that  $0 \leq y \leq 0.30$ ,  
and wherein the phosphor layer is formed of a phosphor which has been heat-treated in an  
oxidizing atmosphere.

**8. (New)** The plasma display device of claim 7,

wherein a heat-treatment temperature in the oxidizing atmosphere is not less than 600 °C  
and not more than 1000 °C.